

In the Claims:

Please cancel claim 3, without prejudice, and amend claims 1 and 5-6 as follows:

1. (Currently Amended) A pneumatic tire composed of a carcass layer crossing between a pair of left and right bead cores, the bead cores comprising:

a fastening bead core for fastening an end of the carcass layer to be turned up around the fastening bead core; and

a non-fastening bead core free from the end of the carcass layer,

wherein an inner circumferential radius  $R_2$  of the non-fastening bead core is set smaller than an inner circumferential radius  $R_1$  of the end of the carcass layer to be turned up around the fastening bead core,

wherein the width of the fastening bead core in an axial direction of the tire is in the range from 1 to 3 mm and the width of the fastening bead core in a diametric direction of the tire is in the range from 4 to 12 mm respectively in terms of a cross section of the fastening bead core, and

total tension strength of the fastening bead core is equal to or greater than 5 kN.

2. (Original) The pneumatic tire according to claim 1,

wherein a difference  $\delta$  between the inner circumferential radius  $R_1$  of the end of the carcass layer to be turned up around the fastening bead core and the inner

circumferential radius  $R_2$  of the non-fastening bead core is in the range from 0.5 to 1.5 times of the thickness  $t$  of the carcass layer.

3. (Cancelled)

4. (Previously Presented) The pneumatic tire according to claim 1, wherein insulation rubber for the fastening bead core has JIS-A hardness in the range from 60 to 98 and thickness in the range from 0.1 to 1.5 mm.

5. (Currently Amended) ~~The A pneumatic tire according to claim 1,~~  
composed of a carcass layer crossing between a pair of left and right bead cores, the bead cores comprising:

a fastening bead core for fastening an end of the carcass layer to be turned up around the fastening bead core;

a non-fastening bead core free from the end of the carcass layer; and

a second non-fastening bead core,

wherein an inner circumferential radius  $R_2$  of the non-fastening bead core is set smaller than an inner circumferential radius  $R_1$  of the end of the carcass layer to be turned up around the fastening bead core, and

wherein the non-fastening bead cores are respectively placed on both sides of the fastening bead core in an axial direction of the tire.

6. (Currently Amended) ~~The A pneumatic tire according to claim 1,~~ composed of a carcass layer crossing between a pair of left and right bead cores, the bead cores comprising:

a fastening bead core for fastening an end of the carcass layer to be turned up around the fastening bead core; and

a non-fastening bead core free from the end of the carcass layer,

wherein an inner circumferential radius  $R_2$  of the non-fastening bead core is set smaller than an inner circumferential radius  $R_1$  of the end of the carcass layer to be turned up around the fastening bead core, and

wherein a bead filler is disposed only on a side of the non-fastening bead core out of the fastening bead core and the non-fastening bead core.